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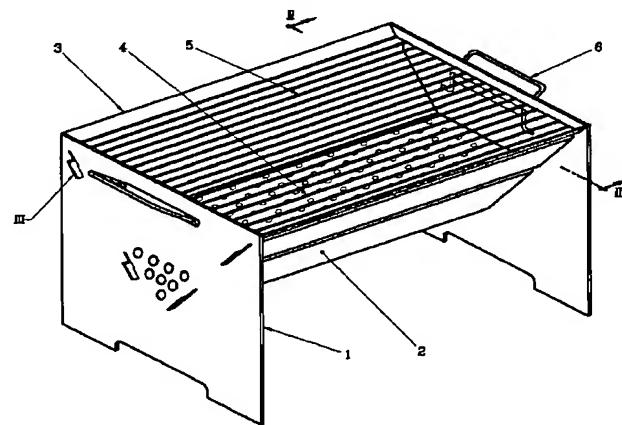
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(54) BARBECUE PORTATIF (BARBECUE PLEINE GRANDEUR REPLIABLE)
(54) PORTA-B.Q. (A FULL SIZE FOLDABLE BARBECUE)

(57) In portable outdoor grills (barbecues) it is the storing/transporting size which is of the utmost importance and typically the size of the cooking grill is compromised. In this invention, the full size of the grill is preserved while the whole barbecue easily folds into a very slim and attractive storage/carrying case. It assembles in a self supporting "V" shape, so it may be made from thin gage carbon steel sheet (or stainless steel for even longer life) and both, cooking and charcoal grills from either flat or round bar. Its unique shape allows for a choice of add-on heating elements such as gas burner or electric heater.





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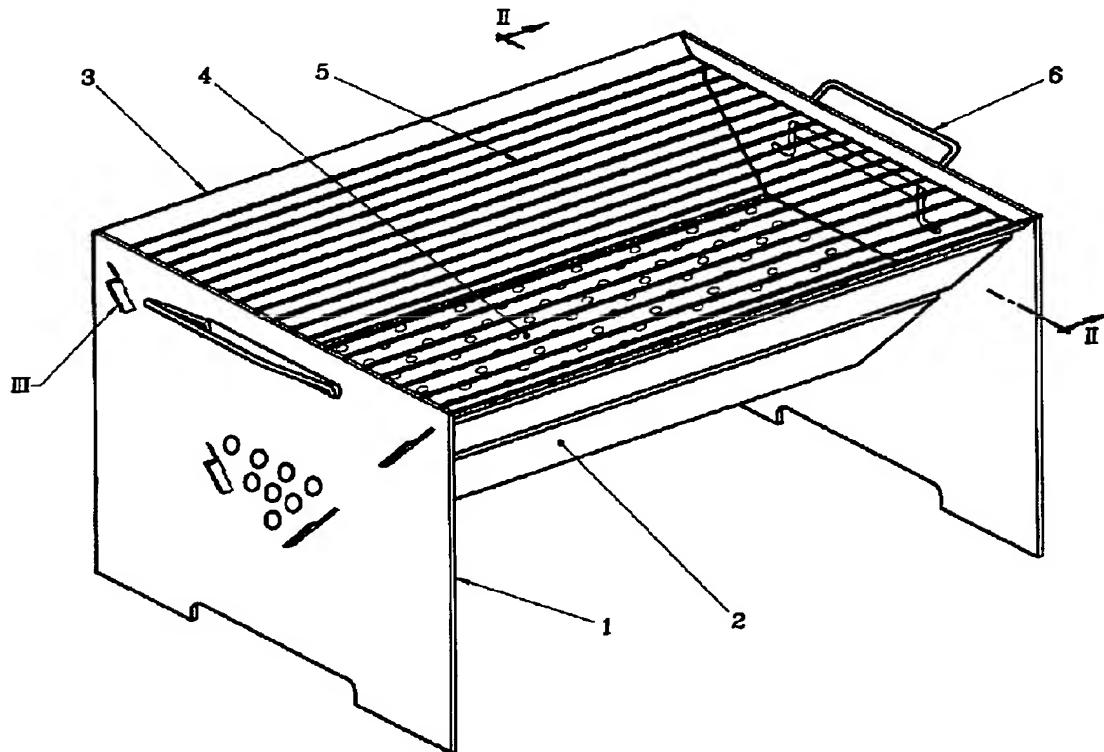
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(54) Titre : BARBECUE PORTATIF (BARBECUE PLEINE GRANDEUR REPLIABLE)

(54) Title: PORTA-B.Q. (A FULL SIZE FOLDABLE BARBECUE)



(57) Abrégé/Abstract:

In portable outdoor grills (barbecues) it is the storing/transporting size which is of the utmost importance and typically the size of the cooking grill is compromised. In this invention, the full size of the grill is preserved while the whole barbecue easily folds into a very slim and attractive storage/carrying case. It assembles in a self supporting "V" shape, so it may be made from thin gage carbon steel sheet (or stainless steel for even longer life) and both, cooking and charcoal grills from either flat or round bar. Its unique shape allows for a choice of add-on heating elements such as gas burner or electric heater.

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Versatile "V" shaped Portable Outdoor Grill

03 September 2000

Abstract

In portable outdoor grills (barbecues) it is the storing/transporting size which is of the utmost importance and typically the size of the cooking grill is compromised.

In this invention, the full size of the grill is preserved while the whole barbecue easily folds into a very slim and attractive storage/carrying case. It assembles in a self supporting "V" shape, so it may be made from thin gage carbon steel sheet (or stainless steel for even longer life) and both, cooking and charcoal grills from either flat or round bar.

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Its unique shape allows for a choice of add-on heating elements such as gas burner or electric heater.

Specification

1. The invention relates to a portable outdoor cooking grill (known also as a portable barbecue).
2. It is common for portable outdoor grills to be made as pre-assembled, often one-piece construction which compromises the grill size (i.e. cooking capacity) and typically requires heavier materials to be able to withstand closer proximity to the coals, making them quite ponderous. The space demand of one-piece construction often prevents the use of alternative heat sources.
3. I have found that these disadvantages may be overcome by making the outdoor cooking grill (barbecue) foldable (disassemblable). In this way all parts are flat, or as flat as possible, and can be stored/transported in very slim (up to 2.5 cm. thick) attractive carrying case only marginally (approximately 1 cm. per side) larger than the grill's active cooking area.

The unique "V" shape assembly provides ample space between the heat source and other parts, making it possible to safely use lighter gauge sheet metals (carbon or stainless steel-for even longer life), as well as utilizing different heat sources such as gas burner or electric heater as easy add-on options.

4. In drawings which illustrate embodiments of the invention, Figure 1 is an axonometric (i.e. three-dimensional) view of one embodiment, Figure 2 is an orthogonal section of the line II-II of Figure 1, and Figure 3 is an orthogonal view of the typical detail III (shown enlarged) of Figure 1.

The illustrated Portable Outdoor Cooking Grill (Porta-B.Q.) comprises of two end-plates 1 assembled via latches III, shown on Figure 3, to the short side-plate 2 and long side-plate 3. These four plates may be made from thin gauge sheet metal, of either mild carbon steel or stainless steel for prolonged life and enhanced appearance.

The charcoal grill 4 is placed onto the lower folds, formed in both side-plates, and the

cooking grill is placed onto the upper folds, also formed in both side-plates as shown on Figures 1 and 2. Foldable handles 6 are used for handling assembled Porta-B.Q. at any time if required.

For storage and/or carrying, Porta-B.Q. is easily disassembled by removing both grills 4 & 5, unlatching both side-plates 2 & 3 from end-plates 1, and folding them all into a slim carrying case.

5. As an ample distance exists between the two grills, the same embodiment construction could easily be fitted with either an electric heating element or a gas burner fed from a portable propane cylinder.

Claims

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

- 1 A portable outdoor grill (barbecue), also named: "Porta-B.Q.", which is foldable into a slim (less than 2.5 cm. thick) carrying case, only marginally (approximately 1 cm. per side) larger than the grill's active cooking area.
- 2 A portable outdoor grill (barbecue) as defined in claim 1, in which the active cooking grill area is of the full commercial size.
- 3 A portable outdoor grill (barbecue) as defined in claim 1 or 2, in which all plates are made from light gage (less than 16 GA) sheet metals, typically low carbon steel or stainless steel.
- 4 A portable outdoor grill (barbecue) as defined in claim 1,2 or 3, in which the heating source is charcoal or alternatively an electric heating element or a gas burner fed from a propane or butane portable cylinder.

Fig.1.

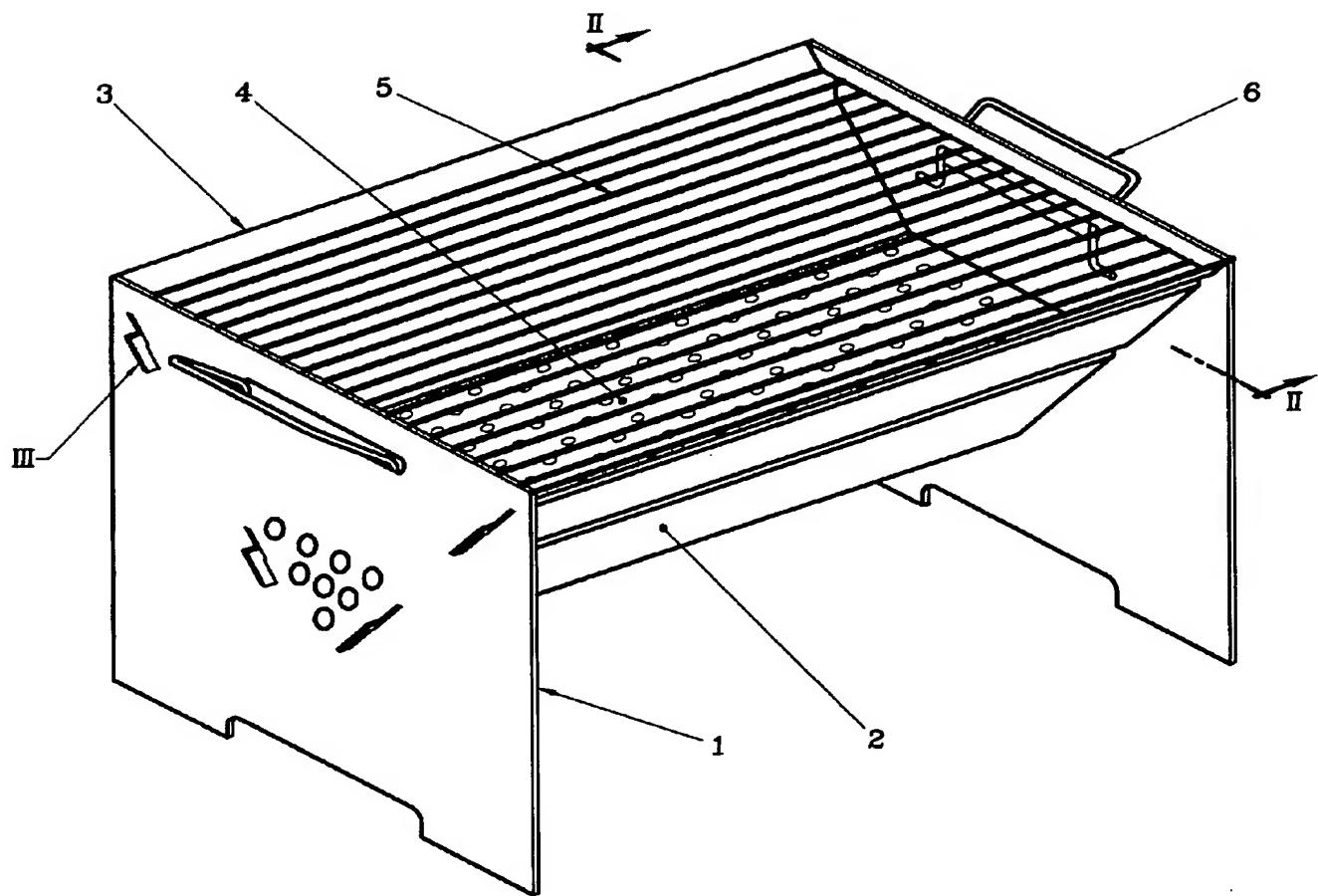


Fig.3.

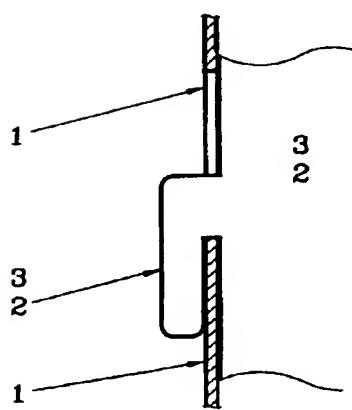


Fig.2.

